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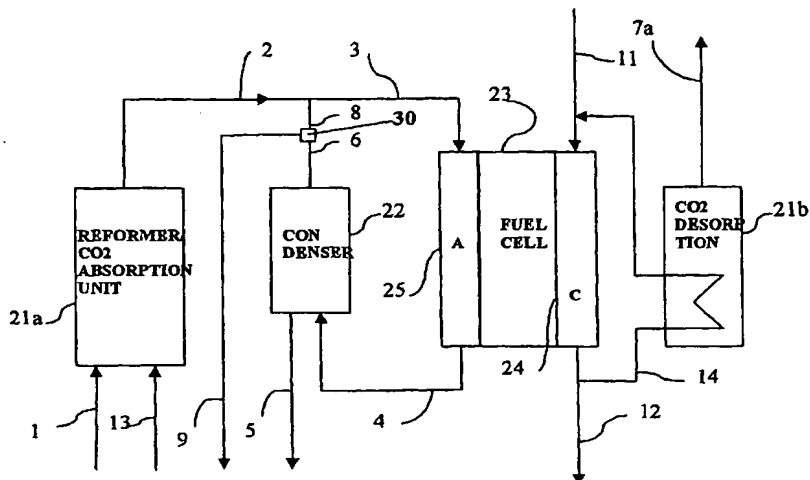
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(54) Title: POWER GENERATION APPARATUS



(57) Abstract: A power generation apparatus comprises a fuel cell and a reforming module, wherein the reforming module is adapted to reform hydrocarbon fuel into hydrogen and other components, and to separate said hydrogen from said other components. The apparatus is arranged so that said hydrogen is fed from the reforming module to the anode of the fuel cell. Carbon dioxide may be separated in the reforming module. Hydrogen may be recycled from the anode outflow back to the anode and/or tapped off. The apparatus may also contain a desorption module for releasing carbon dioxide. The absorption and release of carbon dioxide may be integrated and the carbon dioxide absorbent and/or desorbent may be recycled. Components of the apparatus may be thermally integrated. The apparatus may be used to generate electricity and produce hydrogen.

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B. FIELDS SEARCHED

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C. DOCUMENTS CONSIDERED TO BE RELEVANT

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X	WO 02/37590 A (QUESTAIR TECHNOLOGIES INC ;HUNTER CARL F (CA); CONNOR DENIS J (CA)) 10 May 2002 (2002-05-10) page 5, line 31 - line 34 page 6, line 36 - page 7, line 32 page 8, line 3 - line 7 page 10, line 14 - line 27 page 15, line 22 - line 32 page 16, line 19 - line 25 page 19, line 32 - line 36 page 22, line 3 - line 11 page 23, line 3 - line 6 figures 7,13	1-31
X	US 2002/098394 A1 (ROY SURAJIT ET AL) 25 July 2002 (2002-07-25) paragraphs '0098! - '0105!; figure 6 ----- -/--	1-31

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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X	WO 01/42132 A (UNIV CALIFORNIA) 14 June 2001 (2001-06-14)	30
A	abstract page 20, line 12 - line 17 page 24, line 6 - line 19 -----	11-16, 19

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